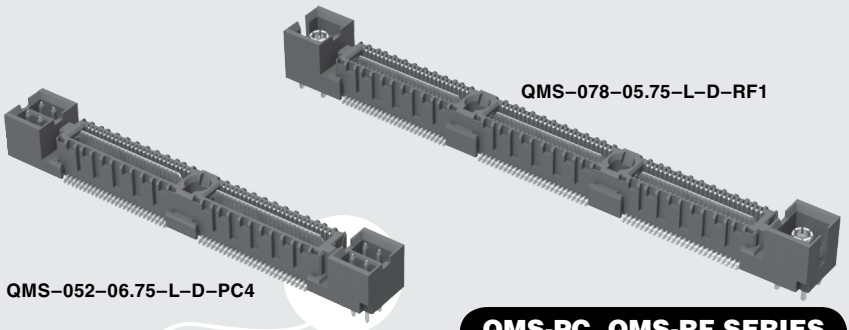
samtec

Q2™



(0.635 mm) .025"

QMS-PC, QMS-RF SERIES

HIGH-SPEED COMBO RF & POWER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?QMS

Insulator Material:
Liquid Crystal Polymer
Terminal & Ground
Plane Material:
Phosphor Bronze
Plating:
Au over 50 µ" (1.27 µm) Ni
(Tin on Ground Plane Tail)
Current Rating:
Signal Contact:
2.6 A per pin
(2 pins powered)
Power Contact:
4.0 A per pin
(4 pins powered per end)
Ground Plane:
15.7 A per ground plane
(1 ground plane powered)
Voltage Rating:
300 VAC mated with QFS
Operating Temp:
-55 °C to +125 °C
RoHS Compliant:
Yes

PROCESSING

Lead–Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (026-078)
Board Stacking:
For applications requiring more than two connectors per board, contact ipg@samtec.com

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

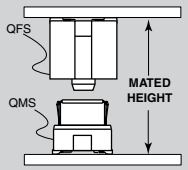
ALSO AVAILABLE
(MOQ Required)

- Other platings
- Differential Pairs
- Retention Pins
- 8 Power Pins/End for (1.60 mm) 0.62" thick board
- 4 or 8 Power Pins/End for (2.36 mm) .093" thick board
- 2 RF Connectors/End
- Hot Pluggable

Note:
Some lengths, styles and options are non-standard, non-returnable.

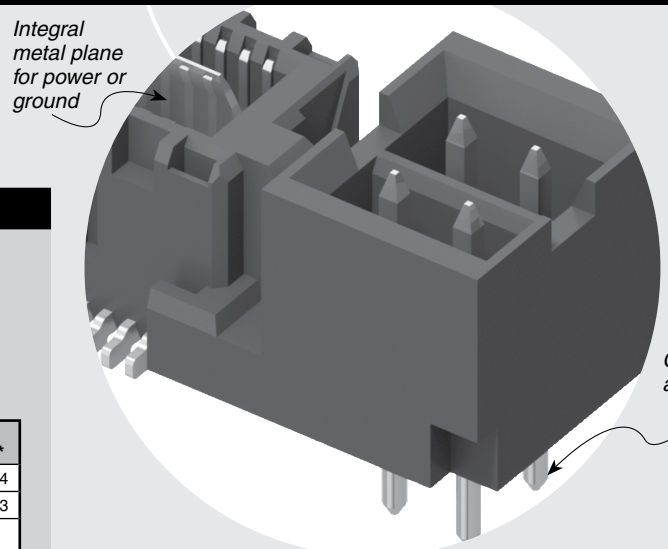
Board Mates:
QFS-PC, QFS-RA-PC, QFS-RF

APPLICATION



QMS LEADSTYLE	MATED HEIGHT*
–05.75	(10.00) .394
–06.75	(11.00) .433

*Processing conditions will affect mated height. See SO Series for board space tolerances.



QMS	–	NO. OF PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	D	–	END OPTION	–	"X"R

–026, –052, –078
(52 total pins per bank)

Specify LEAD STYLE from chart

–L
= 10 µ" (0.25 µm) Gold on Signal Pins and Ground Plane
(Tin on Signal Pin tails, and Ground Plane tails)

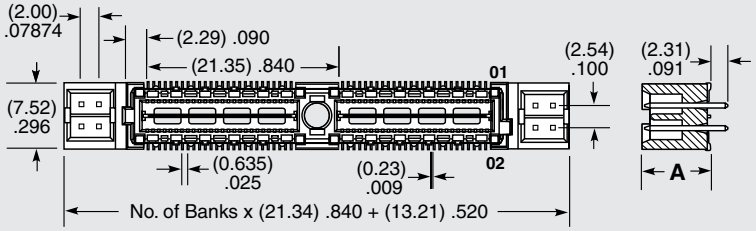
–PC4
= 4 Power Pins per End for (1.60 mm) .062" thick Board (not available with –RF1)

–RF1
= One RF Plug per End (–05.75 only, not available with –PC4)

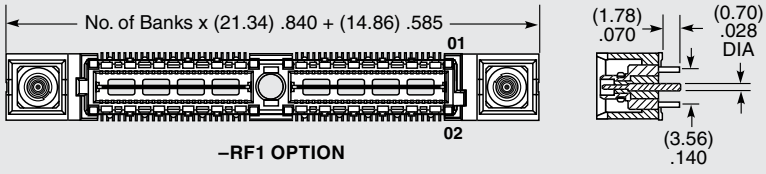
–TR
=Tape & Reel

–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

LEAD STYLE	A
–05.75	(5.38) .212
–06.75	(6.35) .250

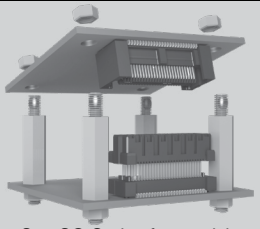


–PC4 OPTION



–RF1 OPTION

OTHER SOLUTIONS



See SO Series for precision machined standoffs.